

ASBURY GRAPHITE MILLS, INC. MATERIAL SAFETY DATA SHEET

Hazard Communication Standard
29 CFR 1910, 1200.

TYPE: Natural Graphite, Less than 85% Carbon Grade 205

IDENTITY: Natural Graphite		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
SECTION I			
Manufacturer's Name: Asbury Graphite Mills, Inc.		Emergency Telephone Number 908-537-2155	
PO BOX 144, 405 OLD MAIN STREET		Telephone Number for Information 908-537-2155	
ASBURY, NJ 08802		Date: January 2, 2004 Review Date: 1/2005	
		Prepared by: (optional) AVT	
SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION			
Component(s) (Specific Chemical Identity, Common Name(s))	CAS NO.	Other Limits OSHA PEL ACGIH TLV	Recommended % (optional)
Graphite	7782-42-5	2.0 mg/m3	Respirable dust 100
Silica	CAS NO. 14808-60-7	0.05 mg/m3	Respirable dust 0.0-4.0
TSCA Status: Graphite is listed on the US EPA TSCA inventory			
California Proposition 65: Silica is listed on the California Proposition 65 as a cancer agent.			
SECTION III - PHYSICAL CHEMICAL CHARACTERISTICS			
Boiling Point: N/A		Specific Gravity (H2O = 1): 2.20 - 2.35	
Vapor Pressure (mm Hg.): N/A		Melting Point: N/A	
Vapor Density (AIR = 1): N/A		Evaporation Rate: (Butyl Acetate = 1) N/A	
Solubility in Water: Insoluble			
Appearance and Odor: Grey to Black - No Odor			
SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Method Used): N/A		Flammable Limits: N/A	
		LEL: N/A UEL: N/A	
Extinguishing Media: Water			
Special Fire Fighting Procedures: Spray with water.			
Unusual Fire and Explosion Hazards: When exposed to extremely high energy ignition sources fine graphite and carbon powder can form explosive mixtures with air. Avoid contact between graphite or carbon dust clouds and high energy ignition sources.			
HMIS RATING 110E NFPA RATING: 010			

Stability: This material is stable.		Conditions to Avoid: None	
Hazardous polymerization: This material will not polymerize.		Conditions to Avoid: None	
Incompatibility (Materials to Avoid): Oxidizing Agents.			
Hazardous decomposition or by-products: CO ₂ , CO (carbon dioxide, carbon monoxide)			
SECTION VI - HEALTH HAZARD DATA			
Route(s) of Entry:		Inhalation? <input checked="" type="checkbox"/>	Skin? <input checked="" type="checkbox"/> Ingestion?
Health Hazards (Acute and Chronic): Cases of pulmonary fibrosis, emphysema and cor pulmonale may result from prolonged inhalation of dust (chronic). Minor skin and/or eye irritation may occur.			
Carcinogenicity: Silica	NTP? Yes	IARC, Monographs? Yes	OSHA Regulated? No
IARC Monograph Vol. 68, 1997, concludes that there is sufficient evidence that inhaled crystalline silica causes cancer in humans. IARC Classification Group 1			
Signs and Symptoms of Exposure: Inhalation - nose and/or throat irritation, shortness of breath.			
Skin/Eyes - redness of skin, irritation of eyes.			
Medical Conditions Generally Aggravated by Exposure Emphysema, Asthma, or other respiratory problems.			
Emergency and First Aid Procedures			
Inhalation - Remove from dust area. Seek medical attention if symptoms persist.			
Skin - Wash with mild soap and water. *			
Eyes - Rinse eyes with sterile eye wash. *			
* Seek medical attention if any irritation persists.			
SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE			
Steps to be taken in case material is released or spilled: Sweep or vacuum.			
Waste Disposal Method Dispose of in an approved manner based on federal/local regulations.			
Precautions to be taken in handling and storing: Handle and transfer in a manner, which avoids excessive dusting. Store away from oxidizing agents.			
Other Precautions: Graphite is a conductor of electricity. Exercise caution when handling graphite in areas where contact with electrical circuitry is possible.			
SECTION VIII - CONTROL MEASURES			
Respiratory Protection (Specify Type): Use OSHA approved respirator for nuisance dust.			
Ventilation:	Local Exhaust: To dust collector.	Special: None	
	Mechanical (General): To maintain dust level below ACGIH-TLV.	Other: None	
Protective Gloves: Conventional work gloves.			Eye Protection: Safety glasses.
Other Protective Clothing or Equipment: Not required.			
Work Hygienic Practices: Keep work area clean. Use adequate dust collection/ventilation to maintain levels of dust below ACGIH-TLV.			